

AMENDMENTS TO THE CLAIMS:

The following listing of claims replaces all prior versions of the claims.

LISTING OF CLAIMS:

1-60. (canceled).

61. (previously presented) A non-human mammalian clone of a pre-existing, non-embryonic mammal from which a differentiated cell has been taken,

wherein the clone is produced by a process comprising:

(a) transferring the nucleus of the differentiated cell or a cell obtained by culture thereof into an enucleated, metaphase II-arrested oocyte from the same species,

wherein the differentiated cell or cell obtained by culture thereof is a diploid cell in the G1 phase of the cell cycle at the time of transfer;

(b) activating the oocyte; and

(c) incubating the activated oocyte such that an embryo develops;

(d) transferring the embryo to a female of the same species; and

(e) developing the embryo into the non-human mammalian clone.

62. (previously presented) The non-human mammalian clone of claim 61, wherein the non-human, non-embryonic mammal is selected from the group consisting of cattle, sheep, pigs, goats, mice, and rabbits.

63. (previously presented) The non-human mammalian clone of claim 61, wherein the differentiated cell or cell obtained by culture thereof is cultured *in vitro*.

64. (previously presented) The non-human mammalian clone of claim 61, wherein the differentiated cell or cell obtained by culture thereof is abstracted *ex vivo*.

65-86. (canceled).

87. (new) A non-embryonic, non-human mammalian clone of a pre-existing, parental mammal.

88. (new) The non-human mammalian clone of claim 87, wherein the parental mammal is selected from the group consisting of cattle, sheep, pigs, goats, mice, and rabbits.